



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 90 92 51

Classification of the application (IPC):
H04N 23/00

Technical fields searched (IPC):
H05K, H04N, G03B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2018284477 A1 (MINAMISAWA SHINJI [JP]) 04 October 2018 (2018-10-04) * abstract * * paragraph [0044] * * figures 1-21 *	1-10
X	US 2019204531 A1 (SUGAWARA MASAYOSHI [JP]) 04 July 2019 (2019-07-04) * abstract * * paragraphs [0011] - [0023] * * figures 1-14B *	1, 10
A	CN 111586270 A (OPPO GUANGDONG MOBILE TELECOMMUNICATIONS CO LTD) 25 August 2020 (2020-08-25) * abstract * * figures 1-15 *	1-10
A	US 2006269262 A1 (SHIN JEONG-KIL [KR] ET AL) 30 November 2006 (2006-11-30) * abstract * * paragraphs [0005] - [0020] * * figures 1-7 *	1-10
A	US 2017363881 A1 (STEC PIOTR [IE]) 21 December 2017 (2017-12-21) * abstract * * paragraphs [0002] - [0006] * * figures 1-10 *	1-10
A	CN 105573014 A (NANCHANG O FILM TECH CO LTD) 11 May 2016 (2016-05-11) * abstract * * figures 1-5 *	1-10

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 25 April 2024	Examiner Horstmannshoff, Jens
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
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Application number:
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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	CN 111654612 A (VIVO COMM TECHNOLOGY CO LTD) 11 September 2020 (2020-09-11) * abstract * * figures 1-4 *	1-10

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 25 April 2024	Examiner Horstmannshoff, Jens
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
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& : member of the same patent family, corresponding document	L: document cited for other reasons

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**ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT**

 Application number:
EP 21 90 92 51

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 25-04-2024.
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CN 111654612	A	11-09-2020	NONE	